

MULTIFUNCTION INTELLIGENT ELECTRONIC DEVICE AND METHOD

ABSTRACT OF THE DISCLOSURE

[0024] A multifunction apparatus for monitoring and reporting electric signals on electric circuits is disclosed. The apparatus comprises a first system for receiving input data from at least a field transformer or a line post sensor; a digital signal processor (DSP) system coupled to the first system; a microprocessor system coupled to the DSP system. The first system in combination with the DSP system and the microprocessor system perform metering, power quality, digital fault recording (DFR) and supervisory control and data acquisition (SCADA) functions.